



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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Project Status Report dated October 5, 2007

(Submitted to The Reclamation Board for the October 19, 2007, meeting)

A progress report of the various phases of the Three Rivers Levee Improvement Authority (TRLIA) project is provided in the followings sections of this document. Updates are indicated with italics and underline.

1. Levee Design and Construction Work:

a. **Phase 2 Levee Repair - Bear River Station 131 and easterly, Western Pacific Interceptor Canal and Yuba River from just east of Highway 70 to the Union Pacific Railroad:**

- 1) The State Reclamation Board staff is still processing the encroachment permit application for the Caltrans detention basin as approved at the February Reclamation Board meeting. There is no change to this item since the last TRLIA report.
- 2) TRLIA committed to the Corp of Engineers that TRLIA and PG&E would remove a power pole within the seepage berm near Sta. 33+00 of the Yuba River. This power pole was relocated by PG&E on September 23, 2007. TRLIA observed the relocation and removal of the pole and no damage to the seepage berm occurred. The hole left by the removed power pole was appropriately backfilled.
- 3) TRLIA has committed to the Corps of Engineers to conduct a field investigation and properly abandon, if required, the CMP located under the WPIC levee near Sta. 264+60. This work is planed to be completed jointly by TRLIA and RD 784 as normal maintenance no later than November 1, 2007. Environmental clearances have been obtained to do this work. Negotiations with the landside landowner for right-of-entry along the toe of the levee were not successful. TRLIA will not be able to meet it's commitment to the Corps to attempt to locate this culvert by November 1 of this year. TRLIA will take any necessary actions in 2008 to obtain the needed right of entry so that it can meet its commitment next year.

- 4) This same landside landowner (see 1a3) has constructed a fence across the WPIC levee that was not in place at the time TRLIA initiated the projects. This fence has not been permitted by the Reclamation Board. A member of the Reclamation Board has volunteered to help TRLIA resolve differences with this landowner.
- b. **Phase 3 Construction – Bear River Setback Levee between the Feather River Levee and the limit of Phase 2 Construction:**
- 1) Restoration plantings are being monitored and maintained.
- c. **Phase 4 – Yuba River Levee between the Union Pacific Railroad and the Goldfields:**
- 1) TRLIA committed to the Corps of Engineers to install piezometers along the Phase 4 slurry wall in accordance with the recommendations contained in HDR's February 22, 2007 memo re: Evaluation of As-Built Conditions, Yuba River Cutoff Wall (Phase 4). Five piezometers will be installed. Design of the piezometers has been completed and coordinated with the Corps of Engineers. TRLIA has received an amendment to encroachment permit 18095 GM to add these piezometers to the project. TRLIA has scheduled installation of the piezometers for October 8, 2007.
 - 2) Design on the erosion problem that exists just downstream of the Goldfields has been placed on hold until agreement on the water surface profiles along this reach of the levee can be reached with the Corps of Engineers. Erosion occurred in this area during the 1997 event.
- d. **Phase 4 – Feather River Levee between Bear and Yuba Rivers:**
- 1) **Segments 1, 2, and 3:**
 - a) An application for Prop 1E funding was submitted to DWR on 1 May 2007. TRLIA received a preliminary notification of eligibility to receive \$138.5M for early implementation of Segments 2 and 3 on August 30, 2007. TRLIA has submitted additional information including a financial plan required for the grant to DWR. The delay in receiving Prop 84 funding for land acquisition and Prop 1E funding for construction is impairing TRLIA's ability to make significant progress on repairing these reaches and is impacting TRLIA's ability to complete Segment 2 construction by the end of 2008.
 - 2) **Segment 1 & 3:**
 - a) Construction bids for TRLIA Segments 1 and 3 have been opened. Bids were below the Engineer's Estimate. The encroachment permit for this work was approved at the June 8 special Reclamation Board meeting. TRLIA issued an initial Notice to Proceed for \$2.6 million (combination of Landowner and TRLIA funding) of Segment 3 construction. Late notification of potential additional funding from Propositions 1E and 84 will not allow additional construction during this construction season. The remainder of Segment 3 and Segment 1 will be constructed in 2008. Construction of the Segment 3 portion that received the notice to proceed should be complete by November 1.

- b) As reported in a past update the TRLIA Board has approved two Resolution of Necessities for the non-setback portion of the Feather River levee improvements.
- 3) **Segment 2:**
- a) Design and land acquisition for the setback levee continues. On 27 July 2007 TRLIA issued 60% design drawing and specifications to DWR, Corp of Engineers, and Reclamation Board Staff for review and comment. On 10 August 2007 TRLIA conducted an onboard technical review of the plans and specification at which DWR, Corp of Engineers, and Reclamation Board staffs were in attendance. Topics such as levee alignment and geotechnical information were discussed and evaluated. TRLIA has received comments from DWR and the Corps of Engineers. A meeting was held with both agencies on October 3, 2007 to discuss the comments. TRLIA is preparing responses to all comments.
- b) On Jun 19, 2007 the TRLIA Board approved two Real Property Resolutions of Necessities.
- c) On August 7, 2007 the TRLIA Board approved one more Resolution of Necessity.
- d) TRLIA has purchased one property for the Setback levee.
- e) TRLIA advertised the construction contract for Segment 2 on August 15, 2007. TRLIA has delayed the award date for the contract to October 23, 2007 and also the notice to proceed to October 30, 2007. TRLIA plans to award only Schedule A (Contractor involvement in design finalization) on Oct 23. Schedules B thru E will proceed once funding is available from Prop 1E.. The delay in State Prop 1E/84 funding is impacting the schedule for land acquisition for segment 2 and could impact the overall schedule.
- f) TRLIA has consulted with the Corps and determined that 408 approval is not required until the existing levee is degraded in late 2008 or 2009.
- g) TRLIA has submitted an encroachment permit application for a backup levee to the State Reclamation Board staff for review. TRLIA has clarified that this first permit is only for construction of the foundation and embankment of a backup levee. TRLIA will make a second encroachment permit application to degrade the existing levee. This second permit will require Section 408 approval by the Corps of Engineers.
- h) A meeting of the Reclamation Board TRLIA Sub-committee was held on September 11, 2007. Topics presented at that meeting were:
- Status of TRLIA's land acquisition for the levee setback alignment
 - Proposed alignment of the levee setback
 - Update to Proposition 1e Grant and Local Share

2. Levee utility crossings to meet current Corps and State of California Criteria:

TRLIA continues to work on updating utility crossings as a condition of certification from the Corp of Engineers. The following actions continue to be taken:

- a) Additional information is being gathered from the utilities on pipe condition and strength. Letters were sent to PG&E and Kinder Morgan asking them to assess the pipe material condition and strength and the remaining service life.

- b) Missing crossing markers at the utilities are being investigated and will be replaced as needed. A field trip on August 1 identified which utilities were missing utility markers. Letters have been sent to Sprint and to AT&T asking them to field mark their utilities. Qwest crossing markers were found in the field but no record of this crossing is in the levee log. Qwest has supplied information on this utility crossing that is located in the UPRR right of way. This crossing is below the 100 year and 1957 design water surface elevation. It is unknown if Qwest obtained an encroachment permit for this crossing.
- c) The inverts of the utilities have been compared to the 200-year flood elevation. Very few of the utilities are below the 200-year flood elevation and are not considered a hazard
- d) Review of the as-built construction plans for the confluence of the Bear and WPIC levees have determined that only the one Sprint crossing attached to the UPRR appears to be in this location. This review precludes the need to pothole the levee at this location to search of other possible utility crossings.

3. Funding Update:

- a) In response to DWR's EIP notification to provide TRLIA \$138.51 Million of State Prop 1E/84 funding for the Feather River project, Three Rivers has presented a financial plan demonstrating local share (\$53.3 Million) to DWR. Local share consists of \$30 Million in future capital calls from Participating Landowners, and \$23.3 Million from the County of Yuba. TRLIA anticipates that DWR will be ready to provide Prop 1E/84 funds for proceeding with work along the Feather levee in December. This delay in funding is a significant challenge to our schedule and causing us to have to re-evaluate our schedule. We continue making strides in obtaining rights of entry which allow us to move ahead with some land access without significant current budget expenditures. Once we receive confirmation of our Proposition 1E award, we will be in a better position to brief you on the schedule implications, of the delay in State funding.

4. Building Permits Issued in Plumas Lake Specific Plan Area and North Arboga Study Area in 2007:

- a) The attached table and graph provides information related to residential building permits issued for the Plumas Lake Plan Area (PLSPA) and the North Arboga Study Area (NASA) within Yuba County in 2007.
- b) As shown in the table, a total of 354 building permits have so far been issued in 2007. 0 permits were issued in September 2007.

Plumas Lake Specific Plan Area and North Arboga Study Area - Building Permits Issued in 2007

| Developer/Builder | Monthly Building Permits Issued for Plumas Lake and North Arboga Study Area | | | | | | | | | | | | | | | | | | Total |
|--------------------------------|---|------|-----------|------|-----------|------|-----------|------|----------|------|-----------|------|-----------|------|-----------|------|----------|------|--------------|
| | Jan-07 | | Feb-07 | | Mar-07 | | Apr-07 | | May-07 | | Jun-07 | | Jul-07 | | Aug-07 | | Sep-07 | | (By Builder) |
| | Plumas | NASA | Plumas | NASA | Plumas | NASA | Plumas | NASA | Plumas | NASA | Plumas | NASA | Plumas | NASA | Plumas | NASA | Plumas | NASA | |
| KB Homes North Bay | 28 | 15 | 17 | 4 | 18 | 8 | 19 | 9 | | | | | | | | | | | 118 |
| Cresleigh Homes | | | 5 | | 9 | | | | | | | | | | 5 | | | | 19 |
| Forecast Homes/K Hovnanian | | | | | | | | | | | | | | | 35 | | | | 35 |
| Homes by Towne/HBT Constr. | | | | | | | | | | | | | | | | | | | 0 |
| Beazer Homes | | | | | | | | | | | | | | | | | | | 0 |
| California Homes/Home Builders | | | | | | | | | | | | | 7 | | | | | | 7 |
| Cassano Kamilos Homes | | | | | | | | | | | | | | | | | | | 0 |
| D.R. Horton/Western Pacific | | | | | 4 | | | | | | | | 32 | | | | | | 36 |
| Other | | 46 | 2 | 10 | | 39 | | | | | 1 | 24 | | 13 | 4 | | | | 139 |
| Monthly Totals | 89 | | 38 | | 78 | | 28 | | 0 | | 25 | | 52 | | 44 | | 0 | | 354 |

Thru 9/30/07

Total Permits for 2007 Thus Far 354

Building Permits Issued in TRLIA Project Area

